

A. Basic Service Features

Basic Service Features are provided via Feature Groups which are switch specific. Features which could not be included in the Feature Groups due to feature incompatibilities are listed in Section A12.20.13 of the GSST. The subscriber also purchases the appropriate Station Link from the A12 tariff.

Other features such as ISDN, MegaLink Service, LightGate Service, etc. can be used in conjunction with the MultiServ family of services. The appropriate tariff sections should be reviewed for these service offerings.

B. Basic Service Capabilities

MultiServsm Service is available to customers with 2 or more main station lines and provides line for line access to the Public Switched Telephone Network.

MultiServ PLUSsm Service is available to customers with 10 or more main station lines and requires a minimum of one (1) Network Access Register (NAR) to access the Public Switched Telephone Network.

1. Exchange and long distance message network calls may be made to main stations by dialing the number associated with that main station line or attendant position.
2. Exchange and long distance message network calls may be made from main stations via direct outward dialing.
3. Station-to-station intercommunication via two to seven-digit dialing between stations of the subscriber's system.
4. Outgoing long distance message calls dialed by a main station will be identified by the seven-digit station number. Only calls billed to the subscriber by the Company will be provided this identification.
5. Basic station line hunting.
6. Touch-Tone service.
7. Common recorded announcement interception of calls to unassigned station numbers.

2. Tariff References/Where can it be found?

MultiServ service can be found in Section A12.20 of the BellSouth Telecommunications, Inc. General Subscriber Service(s) Tariff (GSST) in each of the nine (9) states served by BellSouth.

(This information is provided solely as a convenient reference for BellSouth's customers. While BellSouth believes information contained herein to be consistent with applicable tariffs, the tariffs shall prevail in any instance in which an inconsistency may exist.)

3. Installation Intervals

	YES	NO
Normal Installation Intervals		X
Project Coordination Required	X	

4. Ordering Guidelines

To order the CLEC should complete the following forms and submit them to their Account Team:

- Local Service Request (Located in Resale Ordering Guide)
- End User Information (Located in Resale Ordering Guide)

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TAB 59

**NATIVE MODE LAN INTERCONNECTION
CLEC INFORMATION PACKAGE**

NATIVE MODE LAN INTERCONNECTION CLEC INFORMATION PACKAGE

1. Service Description

A. Basic Service Features

Native Mode LAN Interconnection (NMLI) is a fiber based, intraLATA only, bridged inter-networking service that provides native speed Ethernet or Token Ring LAN interconnection between customer-owned Local Area Networks (LANs).

B. Basic Service Capabilities and Restrictions

Service Capabilities

NMLI service provides a means of basic LAN extension for customer-owned Ethernet (IEEE Standard 802.3) or Token Ring (IEEE Standard 802.5) LANs. This fiber based service provides interconnection of the speed based circuit types: 4 Mbps Token Ring, 10 Mbps Ethernet, and 16 Mbps Token Ring. NMLI utilizes a shared Fiber Distributed Data Interface (FDDI), 100 Mbps backbone to transport subscriber's LAN traffic across a metropolitan area at the native speed of the LAN. A subscriber will be provided with an Ethernet or Token Ring access connection that will terminate on a premises based network interface; each network interface will support one circuit per interface. Each circuit will consist of a port on the network interface that will support LAN internetworking at either the Ethernet (10 Mbps) or the Token Ring (4 Mbps or 16 Mbps) native speed. The signal handed to the customer will be FOIRL (for Ethernet) or DB-9 (for Token Ring).

The BellSouth Ethernet or Token Ring circuit will allow the subscriber to have access to all of their company's Ethernet or Token Ring locations that are connected to the backbone ring. The subscriber must provide all cabling required to link their LAN directly to the network interface connection point. Security will be provided between subscriber locations on the shared NMLI backbone by using a software controlled group address screening mechanism; this "domain screening" software will prevent a subscriber from accessing another subscriber's data.

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A subscriber will subscribe to an Ethernet or Token Ring connection, consisting of a port component and a data channel component, at each location to be interconnected. The NMLI service offering will be provided on a shared, public network backbone only. The network demarcation point is the LAN connection at the subscriber premises. This would be a Token Ring (IEEE 802.5) DB-9 or Ethernet (IEEE 802.3) FOIRL interface.

NMLI service offerings are 100% intraLATA in nature and are available under stable contracts for 24-42 month and 43-60 month terms. Month-to-month rates are available for a 12 month minimum period.

Deployment of NMLI will be limited to targeted geographic locations within targeted metropolitan areas and will be based strictly on customer demand. NMLI service offerings are available via tariff in targeted wire centers in all BellSouth states except Mississippi.

The general availability of NMLI service offerings in a geographic area is dependent on the availability of in-place fiber facilities. New fiber placement to provide subscribers with NMLI connectivity may result in advanced fiber deployment or special construction charges.

Restrictions

- NMLI will support only like-to-like type connections (e.g., Ethernet to Ethernet or Token Ring to Token Ring).
- The Token Ring service will only support customer's who use Source/Route bridging in the LAN. NMLI Token Ring Service does not support Transparent Bridging.
- NMLI service is suitable for data transmission only.
- NMLI service is offered for intraLATA use only.
- In locations where NMLI service is not available under tariff, a native speed LAN interconnection service may be obtained via special assembly arrangement.
- For a customer to be eligible to subscribe to NMLI service, the customer's Serving Wire Center must be a NMLI equipped Central Office.

C. How Does this Service Work

This information is provided solely as a convenient reference for BellSouth's customers. While BellSouth believes information contained herein to be consistent with applicable tariffs, the tariffs shall prevail in any instance in which an inconsistency may exist.

BellSouth's NMLI backbone consists of one or more bridge/routers in BellSouth Central Offices that are connected via a 100 Mbps Fiber Distributed Data Interface (FDDI) ring. With each subscription to NMLI the customer gets a one-pair fiber connection via a multi-mode fiber interface to a port on a Central Office NMLI bridge/router. With this connection, the customer has access to each one of their other locations that is within the same security domain and is similarly connected to the same backbone ring.

The signals at the NMLI Port meet IEEE 802.3 or IEEE 802.5 standards. Technical requirements for interfaces with customer premises equipment (CPE) are contained in ANSI/IEEE 802.3-1992, "Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications" and in ANSI/IEEE 802.5-1989, "Local Area Networks - Token Ring Access Method and Physical Layer Specifications." These technical documents may be ordered from:

American National Standards Institute
11 West 42nd Street
New York, New York 10036

D. Feature Interaction

Customer End Bridge Management is available as an optional feature to NMLI Ethernet customers who have their own network management system. For addressing and security reasons, this option can only be used between ports within the same domain/security screen. Customers with NMLI extended range Ethernet equipment must be able to reply to BOOTP requests (which allows the end bridge to discover its own IP address) in order to subscribe to Customer End Bridge Management. This option provides customers access to their end bridge device in order to:

- a. Perform visibility tests on the end bridge to show connectivity between the main location and remote sites.
- b. Receive traps from the end bridge when error conditions occur.
- c. Obtain statistical information about the bridge and their LAN segments.

2. Tariff References/Price List References

Both NMLI and Customer End Bridge Management are tariffed in all BellSouth states except Mississippi. The service is available in GSST A40.3.

3. Installation Intervals

Normal Installation Intervals YES ☐ NO ☒

Project Coordination Required YES ☒ NO ☐

(Order intervals are determined on an individual case basis)

4. Service Inquiry & Ordering Guidelines

A. Information required

A NMLI Resale Service form must be completed for NMLI Service. The form and instructions for its completion are included herein as Attachment A.

The list of metropolitan areas and wire centers from which NMLI is available may be obtained from your ICS Account Team.

If the CLEC is ordering NMLI and the domain to which the port is to be added is an existing domain that was not established by the CLEC, a Domain Authorization form must be furnished with the Resale Service form. The signature required on the Domain Authorization form must be the appropriate representative of the company that originally requested the NMLI service that established the domain to which the CLEC's port is to be added.

The completed NMLI Resale Service and Domain Authorization (if needed) forms should be sent to your ICS Account Team. After receipt of the form(s), you will be contacted to facilitate completion of a Native Mode LAN Interconnection Service Inquiry (SI) and attachments for each NMLI port being ordered.

The CLEC may request an "Inquiry Only" SI to check on the availability of facilities for NMLI service. However, since facilities are only reserved on "Firm Order", information received on an "Inquiry Only" is for informational purposes only. Service will not be ordered and facilities will not be reserved until a complete "Firm Order" SI (including the Network Schematic and Screening Table) has been issued -- a previously submitted "Inquiry Only" SI can be marked "Firm Order" and resubmitted; a new form does not have to be completed.

"Firm Order" SIs that are canceled or delayed will incur the applicable cancellation or delay charges. Current cancellation charges are indicated in Attachment C.

B. Source of Information

Information required on the NMLI Resale Service form, Domain Authorization form, and NMLI SI must be obtained from the end user.

C. Forms

The NMLI Resale Service form is included as Attachment A at the end of this document. The Domain Authorization form is included as Attachment B at the end of this document.

Attachment A

NATIVE MODE LAN INTERCONNECTION RESALE SERVICE

TO BE COMPLETED BY THE CLEC

Origination Date _____ Reissue Date _____
 Desired Due Date _____

Inquiry Only () Firm Order () N,C, D (circle one) Update () Cancel ()

CLEC Order Number _____

CLEC Network Administrator _____ Telephone Number _____

CLEC's Listed Name _____

CLEC's Master Account Number ("Q" #) _____ OCN _____

CLEC's Misc. Account Number _____

CLEC's Billing Name _____

CLEC's Billing Address _____

Billing Contact Name _____ Telephone Number _____

SERVICE TYPE

_____ 4 Mbps Token Ring

_____ 10 Mbps Ethernet

_____ 16 Mbps Token Ring

_____ Customer End Bridge Management

_____ Immediate

_____ Scheduled

Central Office Name: _____

End User Contact Name _____ Telephone Number _____

End User Service Address _____

Building _____ Floor _____ Room: _____ Zip Code: _____

Building Manager Name _____ TN: _____

Remarks _____

Instructions for Completion of Attachment A

<u>FIELD</u>	<u>DATA</u>
Origination Date	The date you are submitting request.
Reissue Date	IF this is a re-issue of a previous SI, include an entry here.
Desired Due Date	Enter the requested service date.
Inquiry Only Firm Order Update Cancel	Check the appropriate choice. If firm order is checked, circle the appropriate order type (N = new, C = change, D = disconnect).
CLEC Order Number	The CLEC's order number for the service requested.
CLEC Network Administrator Telephone Number	The CLEC contact that BellSouth should contact about turn-up of the service.
CLEC's Listed Name	How the CLEC's name is to appear on our customer service records.
CLEC's Master Account Number	What is the CLEC ("Q") account number to which this service should be billed.
CLEC's Misc. Account Number	What is the CLEC account number to which this service should be billed.
CLEC's Billing Name CLEC's Billing Address	Enter name of the CLEC responsible for the bill the address (including city, state and zip code) where the bill will be sent.
Billing Contact Name Telephone Number	Provide the name and telephone number of the person with the CLEC that can be contacted regarding the bill.
SERVICE TYPE	Check the appropriate choice for what you are ordering.
Central Office Name	Enter name or 8-digit CLLI code (as provided in the NECA Tariff) of the Serving Wire Center for the service address provided below.

This information is provided solely as a convenient reference for BellSouth's customers. While BellSouth believes information contained herein to be consistent with applicable tariffs, the tariffs shall prevail in any instance in which an inconsistency may exist.

End User Contact Name
Telephone Number

Enter name and telephone number of the person to be contacted for physical access at the installation location.

End User Service Address

Enter installation street address (including any applicable building, floor, or room numbers and zip code)

Building Manager Name
Telephone

Usually the same as the customer contact but not always the same. Provide information if different from the customer contact.

Remarks

Enter any additional remarks deemed necessary

Attachment B

DOMAIN AUTHORIZATION

DATE: _____

THIS IS TO REQUEST THE ADDITION OF THE FOLLOWING USER(S) TO AN EXISTING NATIVE MODE LAN INTERCONNECTION (NMLI) DOMAIN ARRANGEMENT. I UNDERSTAND THAT ALL MEMEBERS OF THIS DOMAIN WILL BE ABLE TO EXCHANGE DATA. FURTHER, I UNDERSTAND THAT ALL NEW USERS WILL BE RESPONSIBLE FOR ANY CHARGES THAT THEY MIGHT INCUR FOR USAGE OF THE BELL SOUTH NMLI SERVICE.

USER NAME: _____

USER ADDRESS: _____

DOMAIN NUMBER: _____
(If domain number unavailable, list locations currently included in the domain)

DOMAIN ARRANGEMENT'S OWNER (IF APPLICABLE)

NAME: _____

TELEPHONE NUMBER: _____

SIGNATURE: _____

This information is provided solely as a convenient reference for BellSouth's customers. While BellSouth believes the information contained herein to be consistent with applicable tariffs, the tariffs shall prevail in any instance in which an inconsistency may exist.

Attachment C

CANCELLATION AND DELAY CHARGES TO BE ASSESSED ON NMLI SERVICE ORDERS

Order cancellation charges will be assessed on all orders canceled once BellSouth has begun work to provide service to the customer, and order delay charges will be assessed on all orders that are delayed beyond six (6) weeks from the original due date at the customer's request:

Ethernet and Token Ring Order Cancellation Charges

Canceled orders for Ethernet/Token ring LAN Interconnection may be subject to the following cancellation charges. Cancellation charges will be 3rd party charges that BellSouth incurs plus a flat rate charge based upon the number of days expired since the CLEC placed the order with the account team. The flat rate charge will be determined as follows:

- | | |
|---|--------|
| - Orders canceled from 3-30 days after order received | \$ 500 |
| - Orders canceled 30+ days after order received | \$1000 |

Ethernet and Token Ring Order Delay Charges

Delayed orders for Ethernet/Token ring LAN Interconnection may be subject to the following order delay charges:

- | | |
|--|---|
| - Initial delay of up to six (6) weeks | NO CHARGE |
| - 2nd delay | \$500 per 30 days of delay |
| - 3rd delay | Cancellation of order and billing of appropriate cancellation charges |

The above is applicable up until the time that the service is installed. Any cancellations occurring after installation will be treated as a termination of service.

AS A REMINDER.....A NMLI Resale Service form issued to check on the availability of service for your customer or on the availability of facilities to serve the customer should be marked "Inquiry Only".

TAB 60

**Off Premises Stations (OPS)
(Type 2231 Voice Grade Service)
CLEC Information Package**

Service Description

Series 2000 service provides for voice grade communications seven days per week, 24 hours per day, for a minimum period of one month. These channels may also be furnished on a link (partial channel) basis when connected to services such as FlexServ® service, MegaLink® channel service, and/or LightGate® service.

Series 2000 - Voice Grade Service is designed to provide specific voice grade offerings. Customers may provide their own station equipment consistent with FCC registration rules at all points of termination. Network Channel Terminating Equipment (NCTE) may be required for some services. The 2000 Voice Grade Series Services meet all the parameters and specifications for voice grade services as specified in the tariff, and are normally defined in terms of facility interface and overall loss. When used with Customer Provided Equipment (CPE), BellSouth is only responsible for the channel and signaling offerings from interface to interface as specified by the tariff. BellSouth is not responsible for the customer's overall service, compatibility of the CPE equipment on each end, compatibility of BellSouth equipment or interface to the CPE equipment, or compatibility to the desired service other than as provided by the tariff. Alternate use hardware will not be provided by BellSouth for this series of voice grade services under the tariff.

Off Premises Stations (OPS) is a Type 2231 service which is a two-wire interface with two or four-wire facilities engineered for a 1004 Hz net loss of 0 to 4.5 dB. Off Premises Stations are intended for use with PBX (or similar system) off premises channels for terminal equipment. Signaling arrangements are furnished for grandfathered and registered PBX (or similar) systems in accordance with Part 68 of the FCC Rules and Regulations or for customer provided communications systems not subject to Part 68 of the FCC Rules and Regulations.

Type 2231 Signaling Types

- **Type A** - Furnished for use with Class A PBX (or similar) system station ports capable of operation over loops with resistance in the range of 0 -199 ohms.
- **Type B** - Furnished for use with Class B PBX (or similar) system station ports capable of operation over loops with resistance in the range of 200 - 899 ohms.
- **Type C** - Furnished for use with Class C PBX (or similar) system station ports capable of operation over loops with resistance in the range of 900 ohms or more.

For connections to registered or grandfathered PBX (or similar) system equipment, the customer must specify the equipment capability for use with Type A, B, or C Signaling Arrangements.

Restrictions

- One termination must be in a PBX (or similar system) and the other termination in a regular set or a key system
- Must be two wire interface with two or four wire facilities
- Engineered for 1004 Hz net loss of 0dB to 4.5dB signaling is required on all OPX service

OPS will only be used when one end of the circuit terminates in a PBX system and the other end terminates in a CPE regular set or a key system.

Basic parameters and specifications for Series 2000 voice grade service are described for the end-to-end operation as follows:

Basic Parameters	For Speech Application
Net Loss	Local channel limit as specified in the following local channel descriptions. Losses or gains present in CPE have not been included.
DC Resistance	Local channel limit as specified in the following local channel descriptions. Does not imply or guarantee end-to-end DC continuity.
Frequency Error	+/- 5 Hz
Frequency Response 300 - 3000 Hz 500 - 2500 Hz	Referenced to 1004 Hz Loss -3dB to +12dB -2dB to +8dB
Envelope Delay Distortion 800 - 2600 Hz	Not Controlled
C-Notched Noise (with a -13dBm0 1000 Hz test signal)	Not Controlled
Impulse Noise	Not Controlled
Phase Jitter	Not Controlled
Non-Linear Distortion 2 nd Order Distortion 3 rd Order Distortion	Not Controlled Not Controlled

Tariff References/Price List References

Off Premises Stations are only available for intraLATA service where appropriate facilities are available as determined by BellSouth. Off Premises Stations service is tariffed in all BellSouth states. The Off Premises Stations tariff is located in Section B3.2 of the state-specific Private Line Service Tariff.

All rate elements have monthly recurring charges. Some rate elements have non-recurring charges. There are differences in applicable charges among states. There is a minimum service period for Off Premises Stations.

The North Carolina Private Line Service Tariff has not been restructured as of 2/7/97, and Type 2231 Service is referred to as Type 2112 (Intraexchange) and Type 2012 (interexchange) in the North Carolina Private Line Service Tariff.

Installation Intervals

Normal Installation Intervals	Yes
Project Coordination Required	No

This information is provided solely as a convenient reference for BellSouth's Customers. While BellSouth believes information contained herein to be consistent with applicable Tariffs, the Tariffs shall prevail in any instance in which an inconsistency may exist.

Service Inquiry and Ordering Guidelines

To order Off-Premises Stations Service, the CLEC should submit the following forms to the BellSouth CLEC Account Team:

- Local Service Request (LSR)
- End-User Information Form

Both forms are available in the Resale Ordering Guidelines.

For all initial or subsequent order activity on Off-Premises Stations service, contact your BellSouth CLEC Account Team.

TAB 61

Version 1 - March, 1997

**OPTIONAL CALLING PLANS (OCP)
INFORMATION PACKAGE**

(This information is provided solely as a convenient reference for BellSouth's customers. While BellSouth believes information contained herein to be consistent with applicable tariffs, the tariffs shall prevail in any instance in which an inconsistency may exist.)

OPTIONAL CALLING PLANS (OCP) CLEC INFORMATIONAL PACKAGE

I. Service Description

A. Basic Service Features

Optional Calling plans provide pricing alternatives which typically result in discounts on calls that would normally be local toll (intraLATA long distance). Charges for this service may be based on flat monthly rates, number of messages, or on the duration of the call, depending on the type of plan. Time of day, holiday, weekend or other discounts to the existing MTS schedule rates may apply. OCP offers differ depending on the state regulatory jurisdiction. Refer to Attachment A for a brief description of the plans in each state.

B. Basic Service Capabilities

Optional Calling Plans may cover specific point to point routes, specific areas or the entire LATA, and may be subscribed to based on customers' specific calling characteristics and requirements.

2. Tariff References/Price List References

A. Tariff Reference

The location of the various Optional Calling Plans in the General Subscriber Service Tariff (GSST) varies by plan and, in some cases, by state. Refer to Attachment A for a listing of the plans and the tariff reference for each.

B. Pricing Structure and Description

Pricing structures are plan specific and could be one or more of the following:

- **Non-recurring charge (NRC):** Service charges specified in Section A4 of the GSST may be applicable.
- **Recurring Charge:** A flat recurring monthly amount may be billed monthly in advance.
- **Usage Charges:** Usage charges may apply. These charges are billed in arrears and may be subject to time of day and holiday discounts.

Refer to the BST OCP listing, attached, for plan specific information.

3. Installation Intervals - Normal installation intervals apply for this service.

4. Service Inquiry and Ordering Guidelines

Following are the forms required to submit an order to the LCSC:

- Local Service Request Form
- End User Information Form
- Resale Service Form

Copies of the forms with line-by-line instructions are located in the Resale Ordering Guide.

**OPTIONAL CALLING PLANS (OCP)
CLEC INFORMATIONAL PACKAGE
Attachment A**

State	Optional Calling Plan	Tariff Location	Plan Description
Alabama	Area Calling Service (ACS)	A3	Provides 40 mile expanded local calling area on a 7 digit dialed, usage sensitive basis.
	Area Plus	A3-	Provides unlimited flat rated calling within the basic and 40 mile expanded local calling areas.
	Saver Service	A20	For a fixed monthly rate, the residence customer may set up an initial block of time for toll calling. Both 1/2 hour and 2 hour blocks of time are available. These plans are on a 1+10 digit basis.
	Bridgeport, Phenix City and Stevenson Extended Local Calling Plan	A3	Provides non-ACS subscribers 40 mile expanded local calling on a 1+10 digit dialed basis.
	Bay Minette/Fairhope Mobile Local Service	A3	Provides non-ACS subscribers expanded local calling between these exchanges on a 7 digit dialed basis.
Florida	Extended Calling Service (ECS)	A3	ECS is a mandatory point-to-point plan that provides calling between exchanges that were previously toll, for \$.25 per call for Residence customers. ECS is primarily furnished on a 1+10 digit basis; however, other dialing arrangements do exist.
	Area Plus Service	A3	Provides unlimited flat rated calling within the basic and 40 mile expanded local calling areas on a 1+10 digit basis.
	Enhanced Optional EAS (EOEAS)	A3	For a fixed monthly charge, the residence customer may make unlimited calls to a specified exchange. This is a point-to-point plan with limited selections shown in the tariff. These plans are on either a 7 digit or 1+10 digit basis.
	Message Rate	A3	Message Rate service applies to the basic local calling area. Subscribers are charged \$.25 per call after a 30 message monthly call allowance per line.
	Optional Measured Service - Local	A3	This plan provides for Local Measured service in the basic local calling area. The monthly recurring rates contains an allowance of \$3.00 per line. The local calling area is divided into 2 or 3 bands and is offered in the Cocoa, Cocoa Beach; Eau Gallie, Melbourne and Titusville exchanges only.
	Optional Extended Local Calling	A3	Provides for optional 2-way flat rate service for customer dialed station-to-station calls between Daytona Beach and New Smyrna Beach.
	Optional Calling Service	A3	This plan allows the subscriber to receive a 30% discount on toll calls placed on the following routes: Brooksville to Inverness, Dunnellon to Inverness and Yankeetown to Inverness.